

## APPLICATION FOR UNITED STATES PATENT

## Declaration for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: MEDIUM ACCESS CONTROL PROTOCOL FOR A MULTI-CHANNEL COMMUNICATION SYSTEM the specification of which

2 (file no. JEL 30657)

(check at least one)

3 ☒ is attached hereto

4 ☐ was filed on \_\_\_\_\_ as (S) U.S. Application Serial No. \_\_\_\_\_

6 ☐ and was amended on \_\_\_\_\_

(If applicable)

|   |                            |  |                        |
|---|----------------------------|--|------------------------|
| Use this portion only if you are entering the U.S. National phase based on a PCT International Application designating the U.S. | 7 <input type="checkbox"/> | was filed as PCT international application             |                        |
|   | 8                          | Number _____   |                        |
|   | 9                          | on _____   |                        |
|   |                            | and was amended under PCT Article(s) 19 and/or 34      |                        |
|   | 10                         | on _____ (if applicable).                              |                        |
|   | 11                         | priority date claimed in PCT International Application |                        |
|   | _____                      | _____  | _____                  |
|   | (Country)                  | (Number)   | (Day/Month/Year Filed) |

I hereby declare that I have reviewed and understand the contents of the above identified specification, including the claims, as amended, by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me which is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date earlier than that of the application(s) on which priority is claimed:

Prior (Foreign) Application(s) and Priority Claims Under 35 U.S.C. §119

| (Country) | (Number) | (Day/Month/Year Filed) | Priority Claimed             |                             |
|-----------|----------|------------------------|------------------------------|-----------------------------|
| _____     | _____    | _____                  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| _____     | _____    | _____                  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Do not use this portion to identify a PCT application if the present application is the U.S. National phase of that PCT application

13 I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) or PCT International application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between filing date of the prior application and the national or PCT international filing date of this application.

(U.S. Application Number)

(U.S. Filing Date)

Status (patented, pending, abandoned)

I hereby appoint the following attorneys of the firm of STEVENS, DAVIS, MILLER & MOSHER, L.L.P. as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office:

James E. Ledbetter, Reg. No. 28732; Thomas P. Pavelko, Reg. No. 31689; and Anthony P. Venturino, Reg. No. 31674.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO STEVENS, DAVIS, MILLER & MOSHER, L.L.P., 1615 L Street, N.W., Suite 850, Washington, D.C. 20036; Mailing Address: P.O. Box 34387, Washington, D.C. 20043, TELEPHONE (202) 408-5100 FACSIMILE (202) 408-5200 or (202) 408-5088.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

See page 2 for signature lines

STEVEN DAVIS MILLER &amp; MOSHER, L.L.P.

## PAGE 2 OF U.S.A. DECLARATION FOR

\*14a Typewritten Full Name  
of Sole or First InventorChiung-Shien Wu

Given Name

Middle Name

Family Name

\*15a Inventor's Signature



\*16a Date of Signature

Jan

Month

15

Day

1999

Year

17a Residence:

Hsinchu

City

Taiwan

State or Province

R.O.C.

Country

18a Citizenship

R.O.C.19a Post Office Address 2F-4, No. 50, Da Shueh Road, Hsinchu 300, Taiwan R.O.C.  
(Insert complete mailing  
address, including country)\*14b Typewritten Full Name  
of 2nd Inventor (if any)

Given Name

Middle Name

Family Name

\*15b Inventor's Signature



\*16b Date of Signature



Month

Day

Year

17b Residence:

City

State or Province

Country

18b Citizenship

19b Post Office Address

(Insert complete mailing  
address, including country)\*14c Typewritten Full Name  
of 3rd Inventor (if any)

Given Name

Middle Name

Family Name

\*15c Inventor's Signature



\*16c Date of Signature



Month

Day

Year

17c Residence:

City

State or Province

Country

18c Citizenship

19c Post Office Address

(Insert complete mailing  
address, including country)

## INSTRUCTIONS FOR COMPLETION OF THIS FORM

- line 1 Insert the same title as is used on the specification and in the assignment.
- line 2 Is optional but is provided so that you can use it to identify more readily an application prior to the time that the Patent Office application serial number is assigned. We suggest that the specification, drawings, and declaration always bear a file number since it can help to get the papers together in case they become inadvertently separated. In instances where the specification is filed without a signed declaration form (under 37 CFR §1.53) a file number on a later-received separate form will assist us in associating it with the correct case.
- line 3 Check this box if the specification, claims and drawing (if any) are attached to this declaration form, e.g., when filing a new patent application.
- lines 4-5 Are only used in an instance where the application is already on file and the declaration form is being separately filed, e.g., when the application was originally filed without a signed declaration or where the Patent Office has required a new declaration because of a deficiency in the original declaration. In such an instance the Patent Office will require that lines 4 and 5 be completed with the filing date and application serial number already assigned.
- line 6 Is used in conjunction with line 5 but only when there have been one or more amendments to the specification or claims. Line 6 is also used when the Examiner requires a new declaration because claims inserted by amendment cover subject matter not originally claimed (37 CFR §1.67).
- lines 7-11 Are for PCT (Patent Cooperation Treaty) cases and are used only when you are entering the U.S. National phase (Chapter I or II) based upon a previously filed PCT International application designating the U.S.
- line 7 Check this box if this is a PCT National Phase application.
- line 8 Insert PCT International application number.
- line 9 Insert date of filing of PCT International application.
- lines 10-11 Insert the date of all amendments filed in the PCT International application. Such amendments are optional, so this line at times will not be used.
- line 12a Is used in the following instances:
- (i) If a single priority is being claimed from a foreign application you need to list only the first-filed application; you do not need to list other countries if all applications were filed within one year of the U.S. filing.
  - (ii) If multiple priorities are being claimed, from a plurality of applications filed in one or more countries, you must list the first filed application for each aspect of the invention. Example: if aspect A of the invention was disclosed in an application filed 11 months earlier in country X and aspect B was disclosed 9 months earlier in an application filed in country Y, then the applications in both countries X and Y must be identified. Only the first application for each aspect of the invention needs to be identified provided all applications on that aspect were filed within one year prior to the U.S. filing.
  - (iii) If a non-priority application is being filed you must list all applications in all countries where corresponding foreign applications were filed more than one year prior to the U.S. filing. This is so the Examiner can check to see if any of those applications were published or patented early enough to be prior art against the U.S. application.
  - (iv) If there are more than two applications to be listed we suggest that you type in on this form only "See attached Schedule A" and then list all of the previous applications on an attached sheet.
- line 12b Is used to claim priority under 35 USC §119(e) based on a provisional application filed within one year of the filing of the instant application. More than one provisional application may be identified provided neither was filed more than one year earlier.
- line 13 This block is used only in instances where there is a previously filed U.S. non-provisional application which was copending at the time the present application was (or is being) filed. That previous application could be a U.S. non-provisional application or the National Phase of a PCT application. In such a case the present application may be entitled to the priority of the previous application's U.S. filing date (and consequently the foreign priority thereof) provided the present application is identified as a continuing application (continuation, divisional or continuation-in-part) of the earlier (parent) application. If the foregoing is applicable, please fill in one line for each such prior application.
- line 14 Type the inventor's proper legal name in the order specified, e.g., "John B. JONES" or "J. Bob JONES" if the inventor so prefers. If it not acceptable to use only initials such as "J.B. JONES".
- line 15 The inventor's "signature" may be his (or her) usual manner of signing but it is preferable that the inventor simply write his (or her) name in his (or her) own cursive handwriting in the same order as on line 14, e.g., given name, middle initial and family name.
- line 16 Insert the actual date of signature.
- line 17 Insert simply the city and state or country, e.g., "Paris, France", of the inventor's residence, not citizenship. No street address or postal code is required on this line.
- line 18 Insert the inventor's citizenship. The statement of citizenship (or subject of) is a statutory requirement (35 USC §115). Simply the name of the country of citizenship, e.g., "Japan" is sufficient.
- line 19 Insert the inventor's mailing address. The purpose of requiring the post office address is to enable the Patent Office to communicate directly with the inventor if desired, such as in the case of death of the U.S. attorney. It should be the address where the inventor customarily receives his (or her) mail and should include the postal code. If applicable it can be the inventor's business address or address at place of employment.

Applicants are reminded that the U.S. Patent and Trademark Office has very strict requirements as to proper execution of an application. The applicant should make sure that he reviews the declaration, prior to signing to make sure the declaration properly identifies the application and all relevant information; and should review the specification and claims (including drawings, if any) before signing the declaration. Failure to do so will require the filing of a supplemental declaration — 37 CFR §1.67(c).

Any handwritten changes to the specification, claims or drawings must be made in ink personally by all of the inventors prior to signing the declaration and the adjacent left margin must be initialed and dated by all of the inventors, e.g., "IBJ 6-9-91".

Please let us know if there are any questions regarding proper completion of this form. Thank you.

An assignment, a separate document requiring separate signature and dating may be enclosed. Please look for it and sign and date it in the same manner as in lines 15 and 16 below.

RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party:  
Chiung-Shien WU

2. Name and address of receiving party:

Name:

Industrial Technology Research Institute

Internal Address:

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Street Address:

G500 Computer &amp; Communication Research Laboratories

51 Bldg., 195, Section 4 Chung Hsing Road, Chutung

City: State: Zip:

Hsinchu 310, Taiwan, R.O.C.

Execution Date: January 15, 1999

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): New Patent Application

If this document is being filed together with a new application, the execution date of the application is: January 15, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: STEVENS, DAVIS, MILLER &amp; MOSHER, L.L.P.

Internal Address: Suite 850/JEL 30657

Street Address: 1615 L Street, N.W.

City: Washington State: DC Zip: 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) .....\$40.00

- ☒ Enclosed (Check No. 10980)  
☒ Any deficiencies may be charged to deposit account  
☐ Authorized to be charged to deposit account

8. Deposit account number: 19-4375

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE  
THE APPLICANT HEREWITH PETITIONS  
PTO TO EXTEND THE TIME FOR  
RESPONSE AS REQUIRED TO MAKE THE  
ATTACHED DOCUMENT TIMELY FILED.  
PLEASE CHARGE THE COST THEREOF  
TO DEPOSIT ACCOUNT 19-4375

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

STEVENS DAVIS MILLER &amp; MOSHER, L.L.P.

James E. Ledbetter

Name of Person Signing

Signature

January 15, 1999

Date

Registration No. 28,732

Total number of pages including cover sheet, attachments, and document: 1

# USA ASSIGNMENT OF PATENT APPLICATION

Inventors: (1) Chiung-Shien WU  
(2) \_\_\_\_\_  
(3) \_\_\_\_\_  
(4) \_\_\_\_\_  
(5) \_\_\_\_\_  
(6) \_\_\_\_\_  
(7) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned inventor(s), the undersigned agree(s) to assign, and hereby does assign, transfer and set over to  
(E) Industrial Technology Research Institute  
(Fas) of G500 Computer & Communication Research Laboratories  
51 Bldg., 195, Section 4 Chung Hsing Road, Chutung, Hsinchu 310 Taiwan,  
R.O.C.  
(hereinafter designated as the Assignee) the entire rights, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(9) \_\_\_\_\_ in the invention, and all applications for patent and any Letters Patent which may be granted therefor,  
known as  
(10) MEDIUM ACCESS CONTROL PROTOCOL FOR A MULTI-CHANNEL COMMUNICATION SYSTEM  
(Case No. JEL 30657)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(11) on \_\_\_\_\_ or has already filed

(12) U.S. appln. Serial No. \_\_\_\_\_, filed on \_\_\_\_\_

(13) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) no executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of STEVENS DAVIS, MILLER & MOSHER, L.L.P. the power to insert on this assignment any further identification which may be necessary or desirable to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date Jan 15, 1997 Signature of Inventor (1) Chiung-Shien Wu (SEAL)  
Date \_\_\_\_\_ Signature of Inventor (2) \_\_\_\_\_ (SEAL)  
Date \_\_\_\_\_ Signature of Inventor (3) \_\_\_\_\_ (SEAL)  
Date \_\_\_\_\_ Signature of Inventor (4) \_\_\_\_\_ (SEAL)  
Date \_\_\_\_\_ Signature of Inventor (5) \_\_\_\_\_ (SEAL)  
Date \_\_\_\_\_ Signature of Inventor (6) \_\_\_\_\_ (SEAL)  
Date \_\_\_\_\_ Signature of Inventor (7) \_\_\_\_\_ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Counsel if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date \_\_\_\_\_ Signature of Witness \_\_\_\_\_ (SEAL)  
Date \_\_\_\_\_ Signature of Witness \_\_\_\_\_ (SEAL)